Application No.: 10/612482
Docket No.: UC0213USNA4

Amendments to Specification

At page 2, lines 32-34, please amend as follows:

(1) $E_1 - E_3 < 1\underline{e}V$,
(2) $E_1 - E_2 > -1\underline{e}V$, and
(3) $E_4 - E_5 > -1\underline{e}V$.

At page 5, lines 29-35, please amend as follows:

Figure 8 shows Formula ~~IV~~ $\underline{V}$ for an electron transport composition.

Figure 9 shows Formulae ~~IV~~ $\underline{V}$ (a) through ~~IV~~ $\underline{V}$ (ag) for an electron transport composition.

Figure 10 shows Formula shows Formula VI for an electron transport composition.

Figure 11 shows Formulae VI(a) through VI~~(m)~~ $\underline{(k)}$ for an electron transport composition.

At page 6, lines 35-36, please amend as follows:

All of the energy levels are referenced to the vacuum level, ~~117~~ $\underline{170}$, with an energy defined to be zero.

At page 7, lines 14-23, please amend as follows:

2. The energy difference between the LUMO of the ET/AQ material and the work function of the cathode has to be small enough to allow efficient electron injection from the cathode. The energy barrier is preferred to be less than 1 $\underline{e}$V, that is , $E_1-E_3<1$ $\underline{e}$V.

3. The LUMO level of ET/AQ has to be high enough to prevent it from receiving an electron from the photoactive layer. This usually requires $E_1-E_2>-1\underline{e}$V. Preferably, $E_1-E_2>0$.

4. The HOMO level of ET/AQ has to be low enough to prevent it from donating an electron to the photoactive layer. This usually requires $E_4-E_5>-1\underline{e}$V. Preferably, $E_4-E_5>0$.

At page 8, lines 27-28, please amend as follows:

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Typically, this requires $E_1-E_2>-1\underline{e}V$.

At page 8, line 35, please amend as follows:

This usually requires $E_4-E_5>-1\underline{e}V$.

In the Drawings, please replace sheet 18/25 with the corrected sheet submitted herewith.